

**FIG.1**

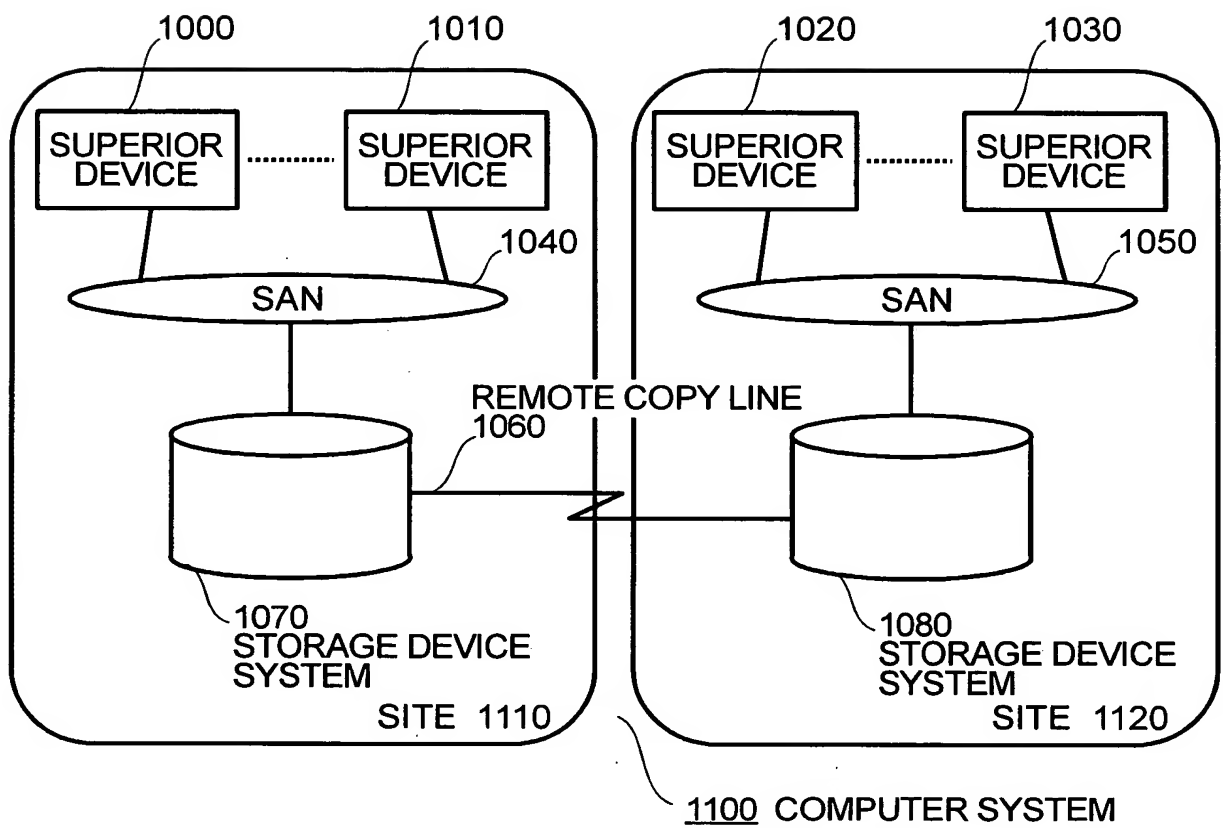
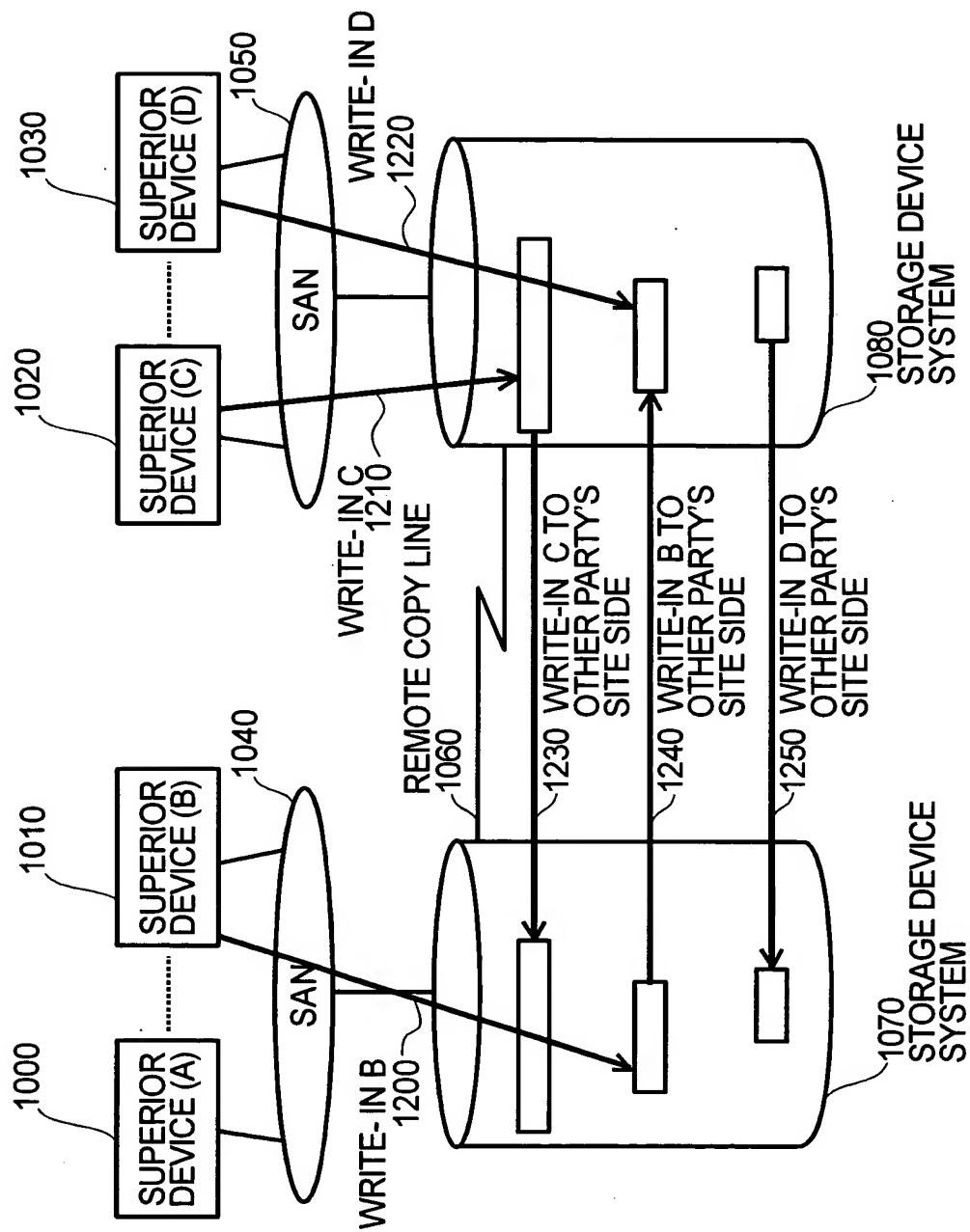
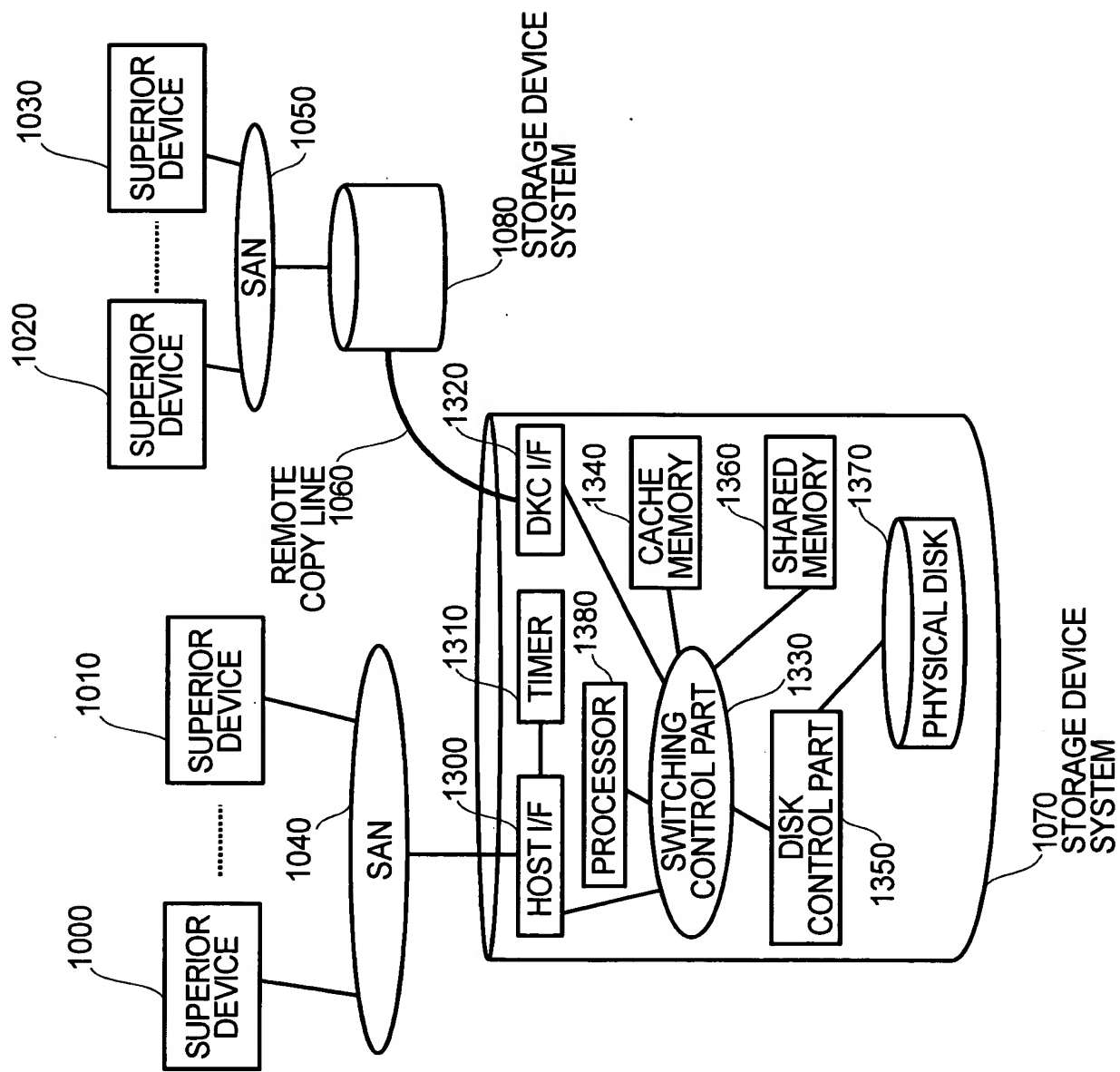


FIG. 2



**FIG. 3**



**FIG.4**

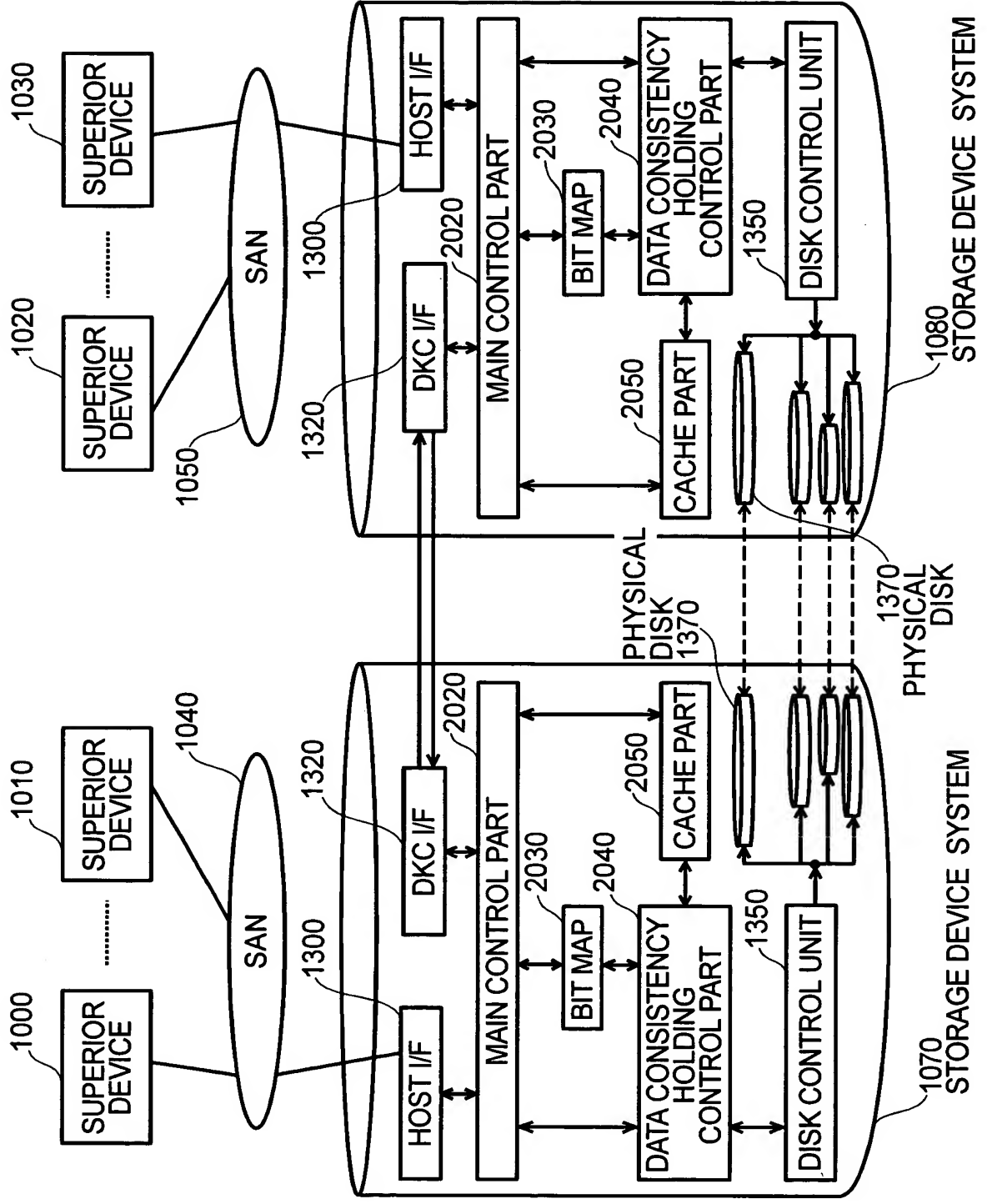
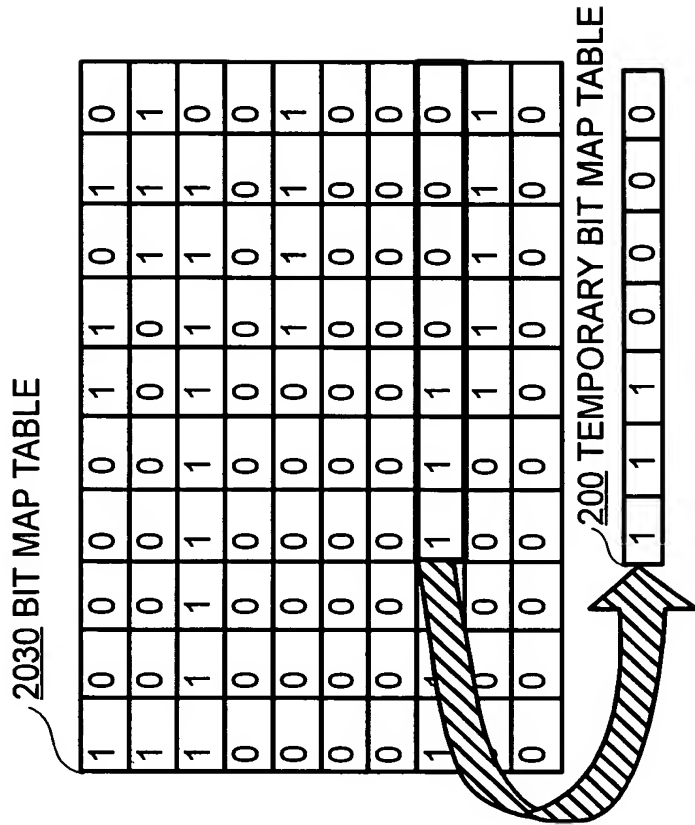


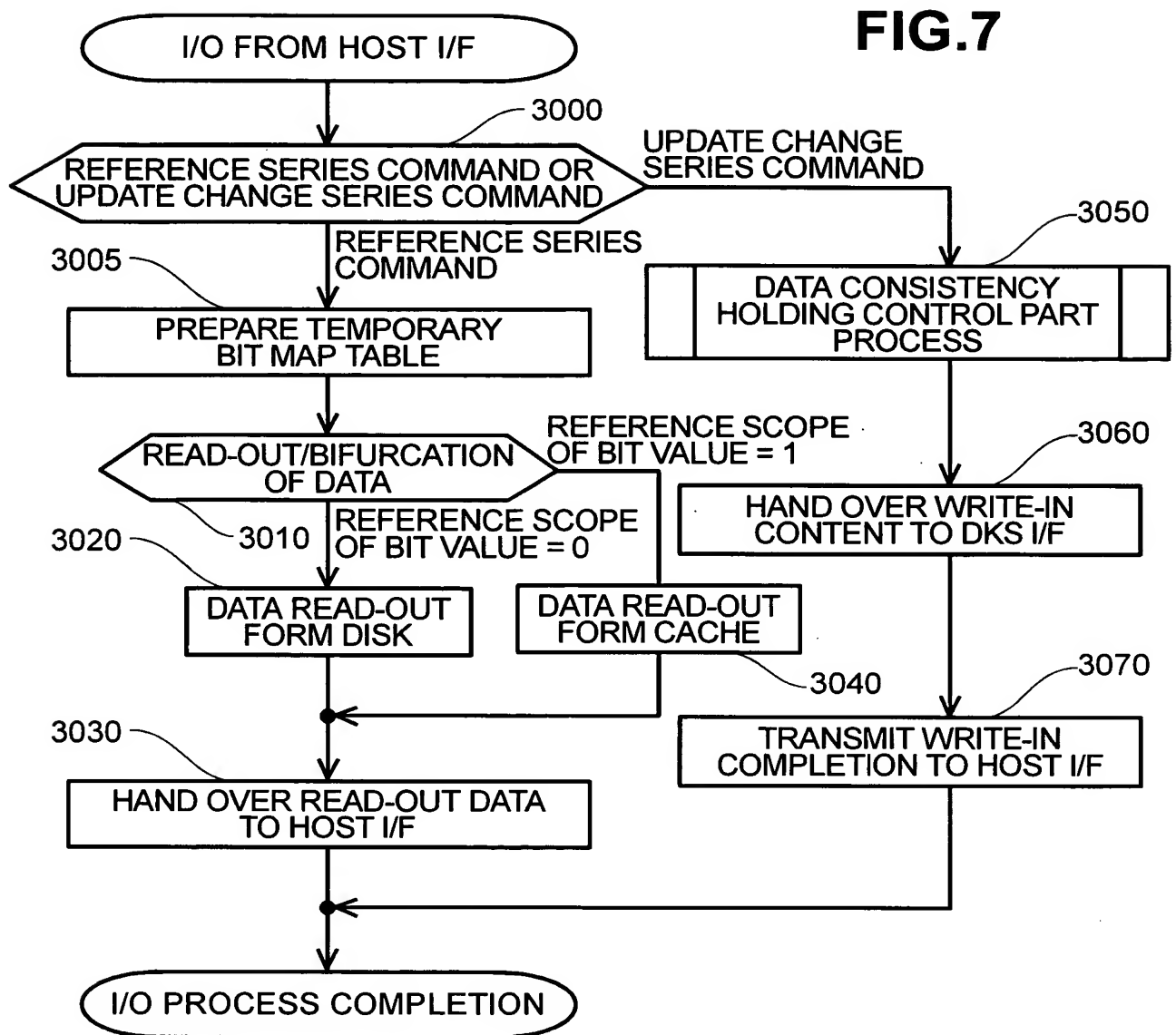
FIG.5

100 DATA CONSISTENCY HOLDING TABLE

101 TABLE CONTROL NUMBER	102 RECEPTION TIME	103 SUPERIOR DEVICE IDENTIFICATION NUMBER	104 OBJECT BLOCK START ADDRESS	105 OBJECT SIZE	106 STORAGE SERIAL NUMBER	107 CACHE DATA STORAGE ADDRESS
1	00:00:00	-----	-----	-----	-----	-----
2	00:01:30	-----	-----	-----	-----	-----
3	00:01:40	-----	-----	-----	-----	-----
⋮						
100	00:03:10	-----	-----	-----	-----	-----
-1						

FIG.6





**FIG.8**

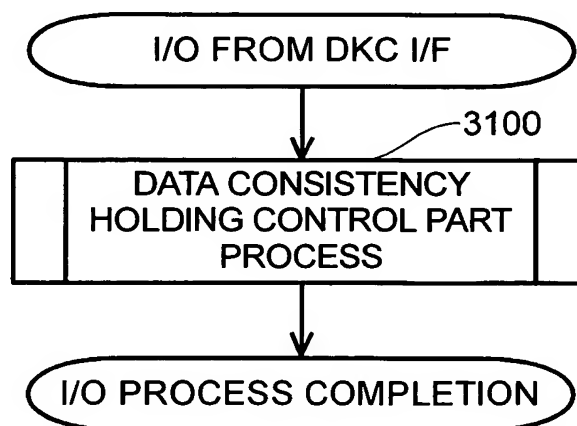
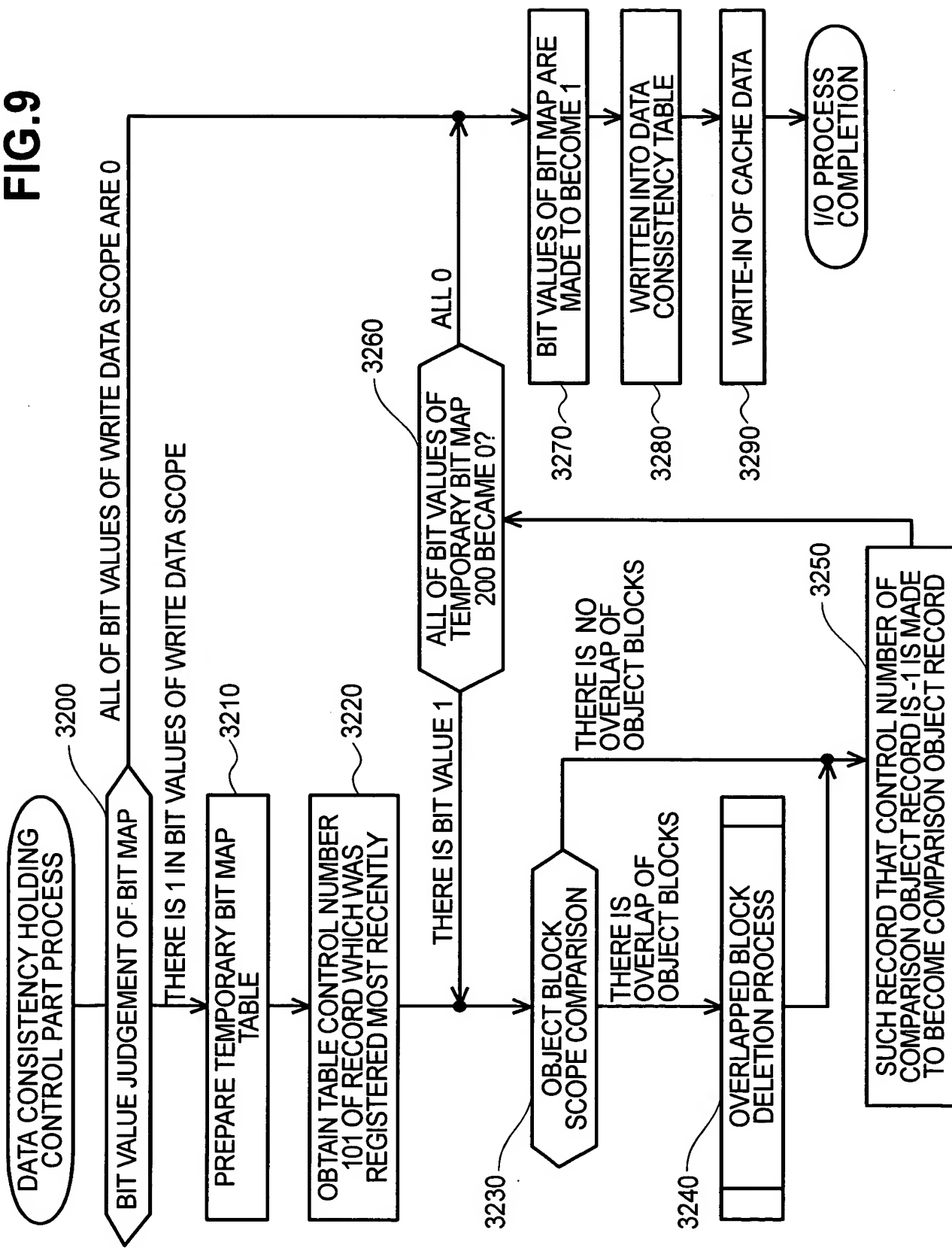
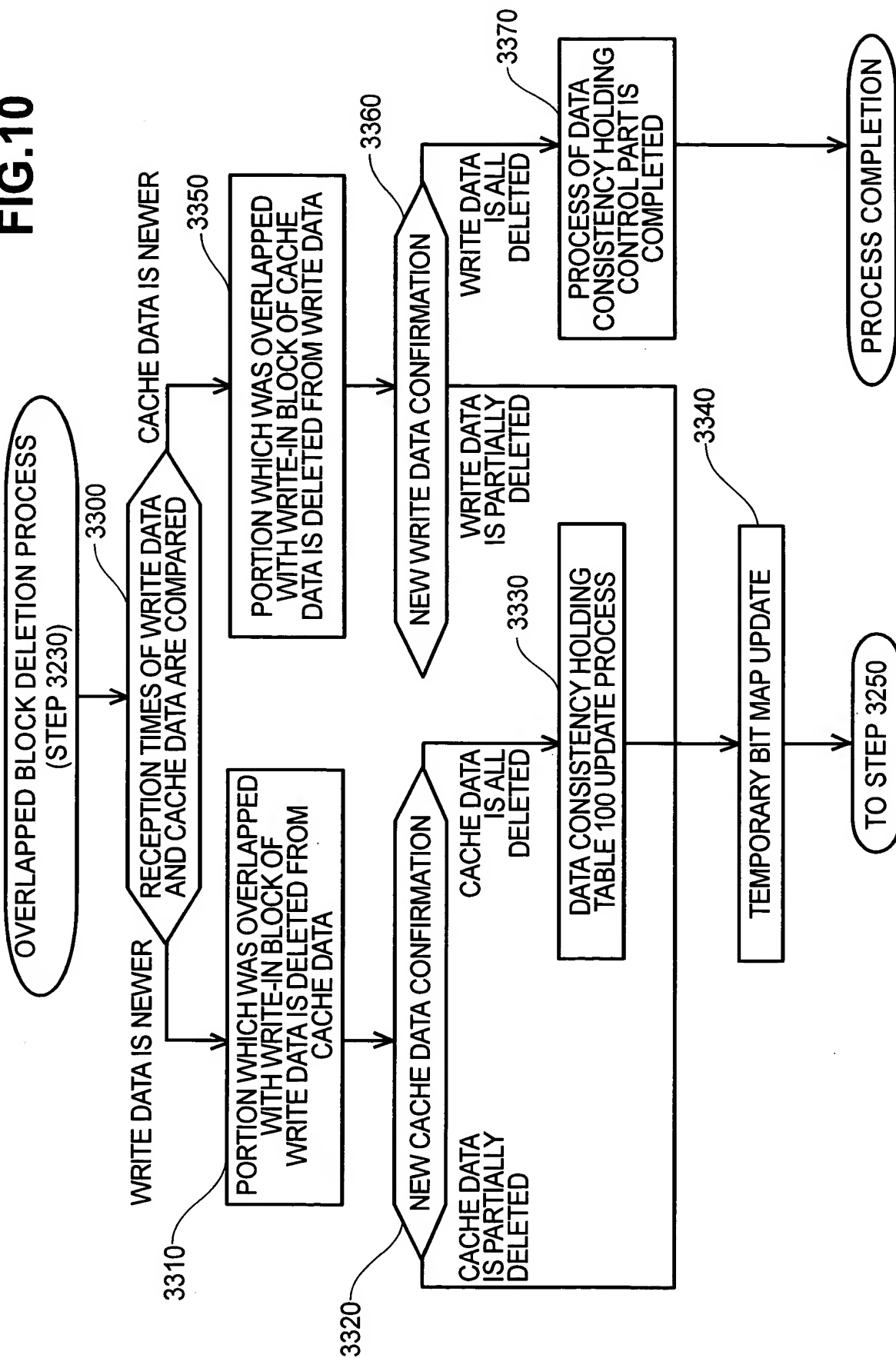


FIG.9



# FIG.10





**FIG.11**

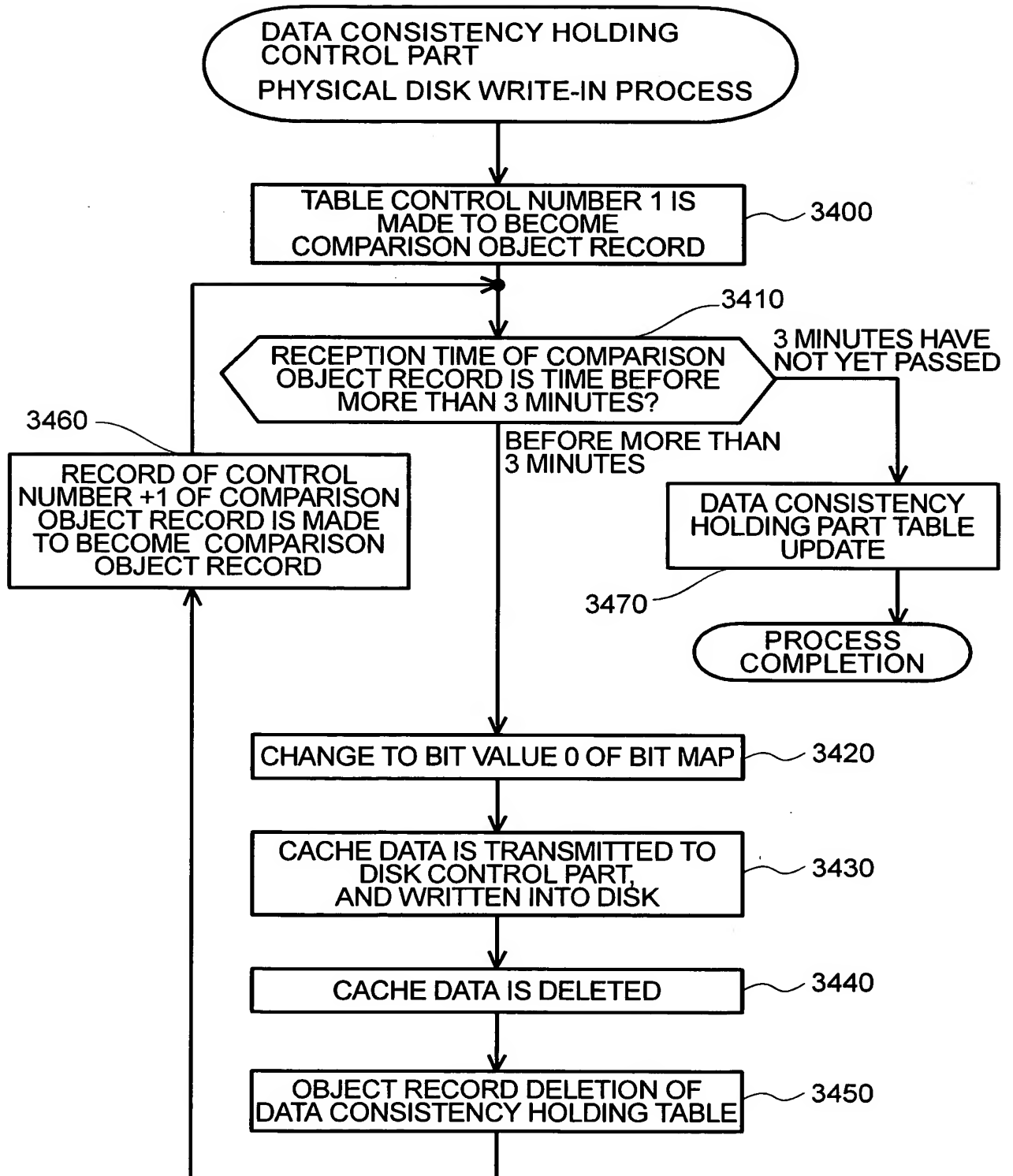
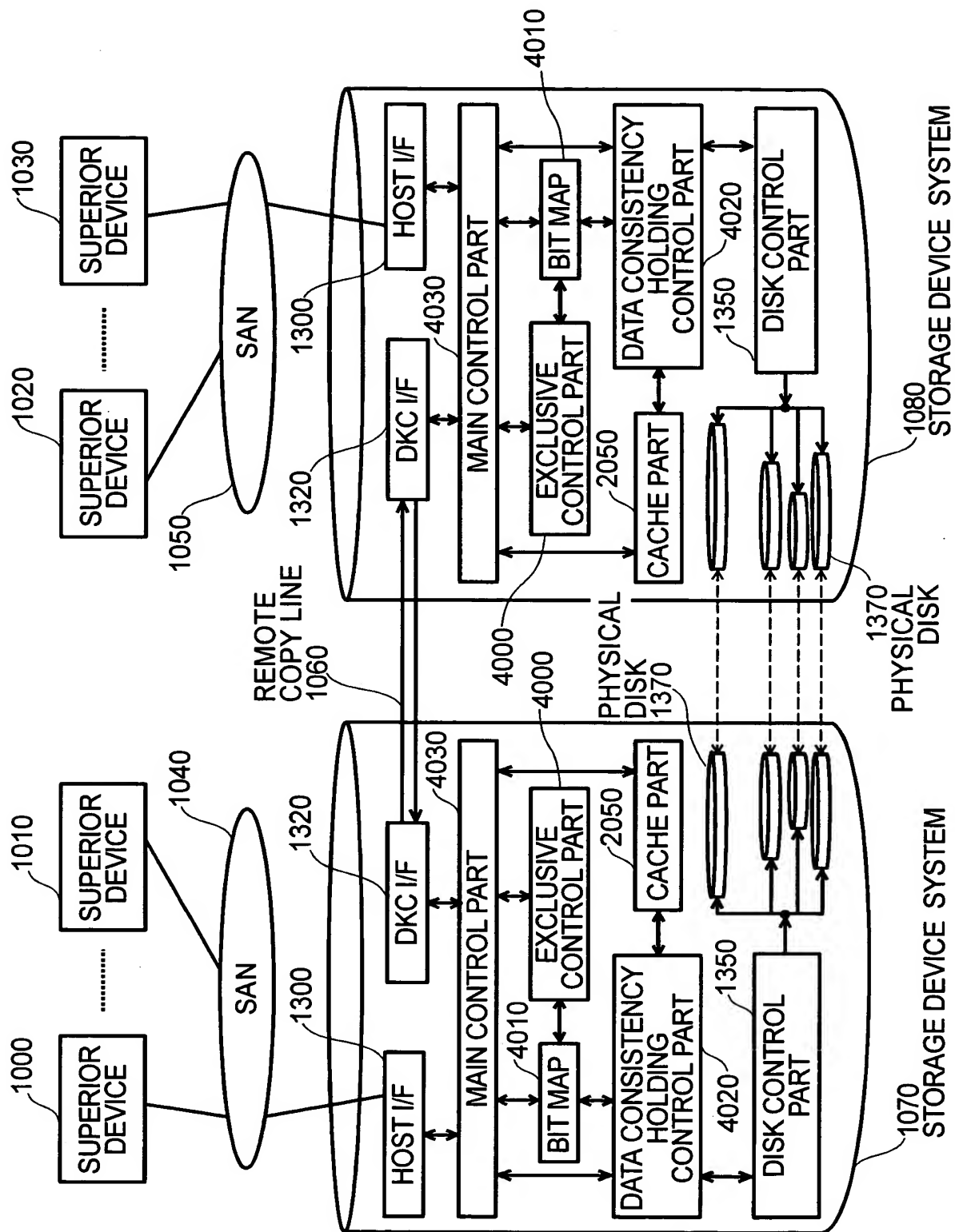


FIG.12



## FIG.13

300 BIT MAP VALUE TABLE

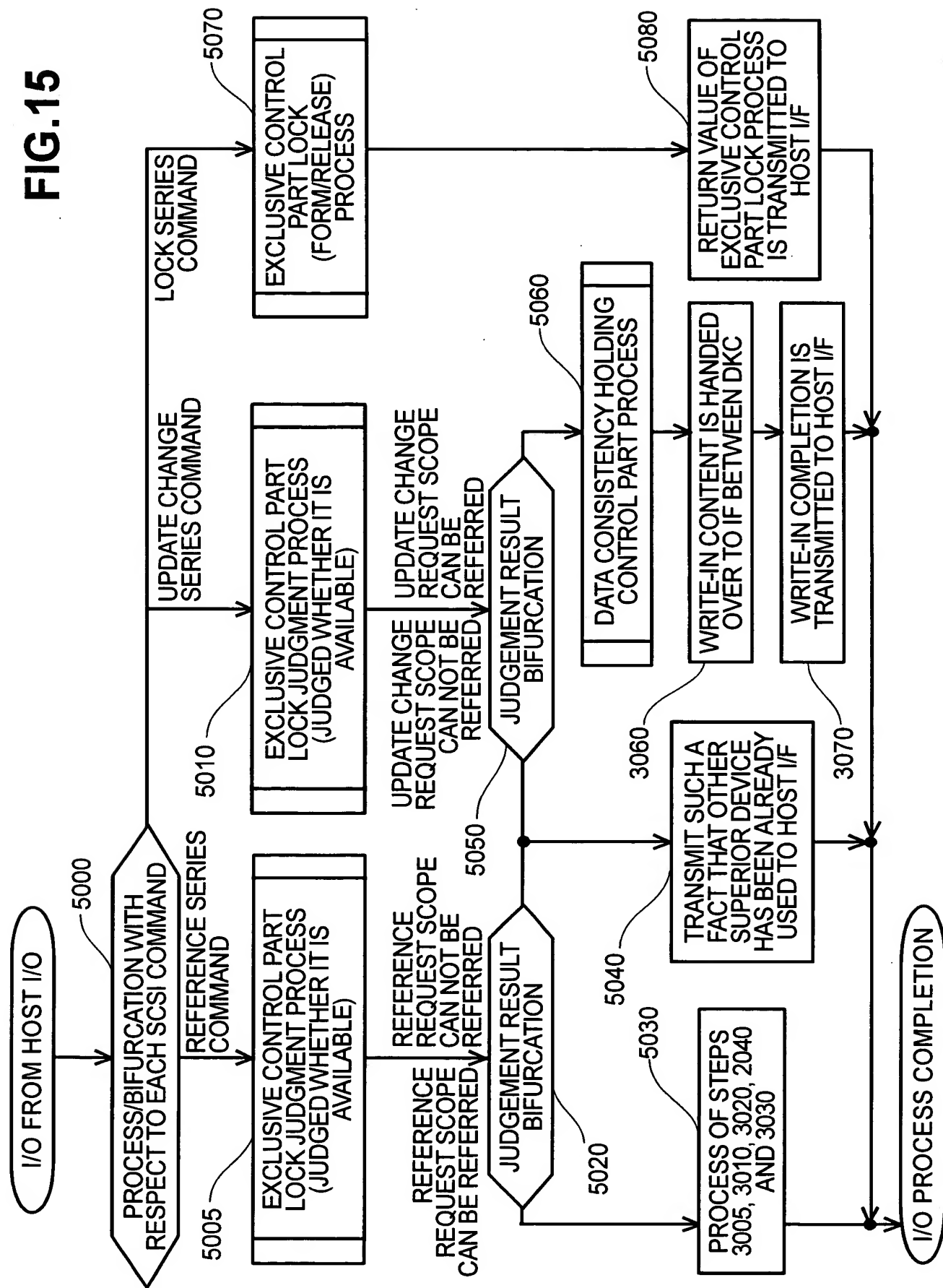
BIT VALUE	EXPLANATION
0	DISK IS NOT RESERVED DISK IS IN THE MOST RECENT STATE
1	DISK IS NOT RESERVED DATA WHICH IS NOT UPDATED IN DISK EXISTS ON CACHE
2	DISK IS RESERVED IN A CERTAIN SUPERIOR DEVICE, DISK IS IN THE MOST RECENT STATE
3	DISK IS RESERVED IN A CERTAIN SUPERIOR DEVICE, DATA WHICH IS NOT UPDATED IN DISK EXISTS ON CACHE

## FIG.14

400 LOCK STATE HOLDING TABLE

CONTROL NUMBER	LOCK START TIME	SUPERIOR DEVICE IDENTIFICATION NUMBER	LOCK OBJECT START ADDRESS	LOCK OBJECT SIZE
⋮				

# FIG.15



**FIG.16**

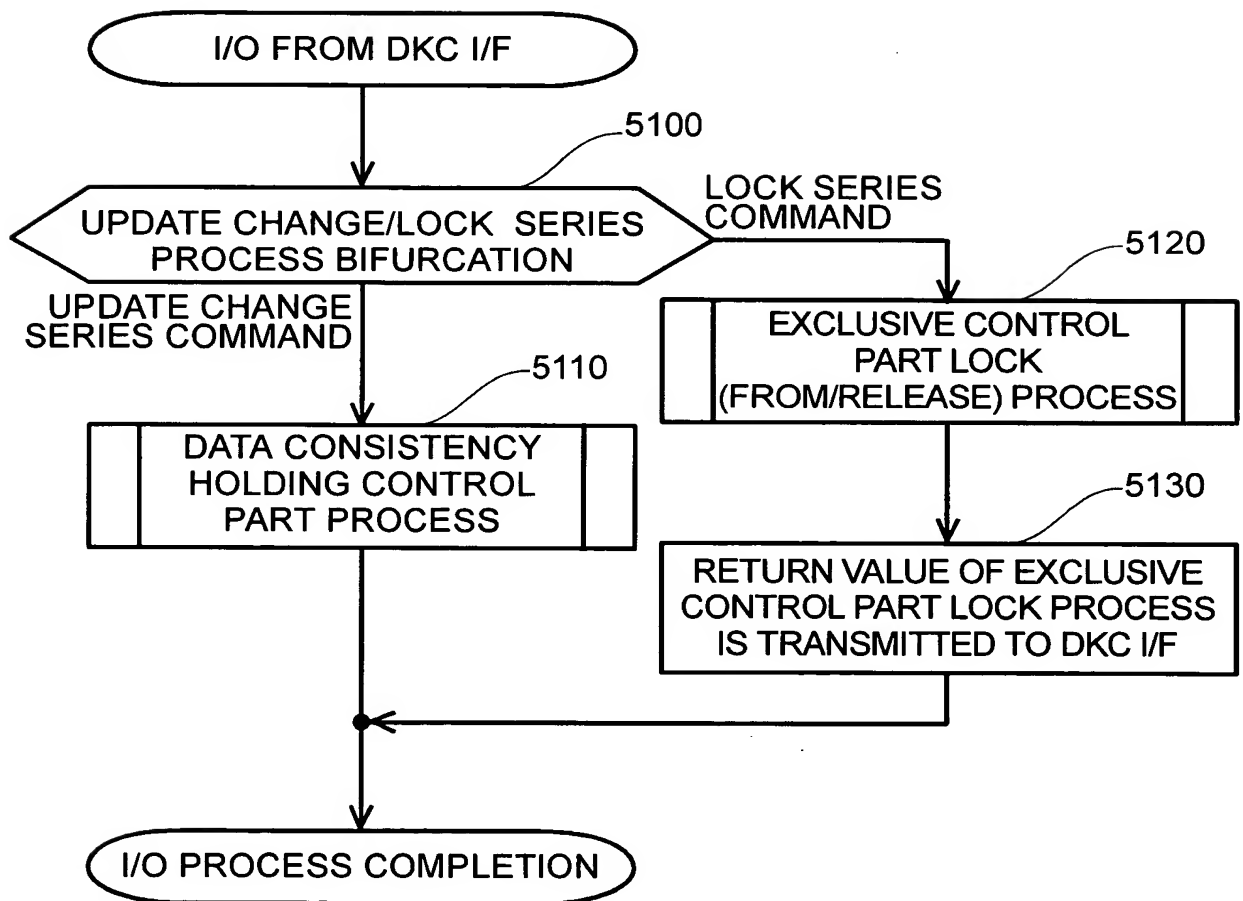
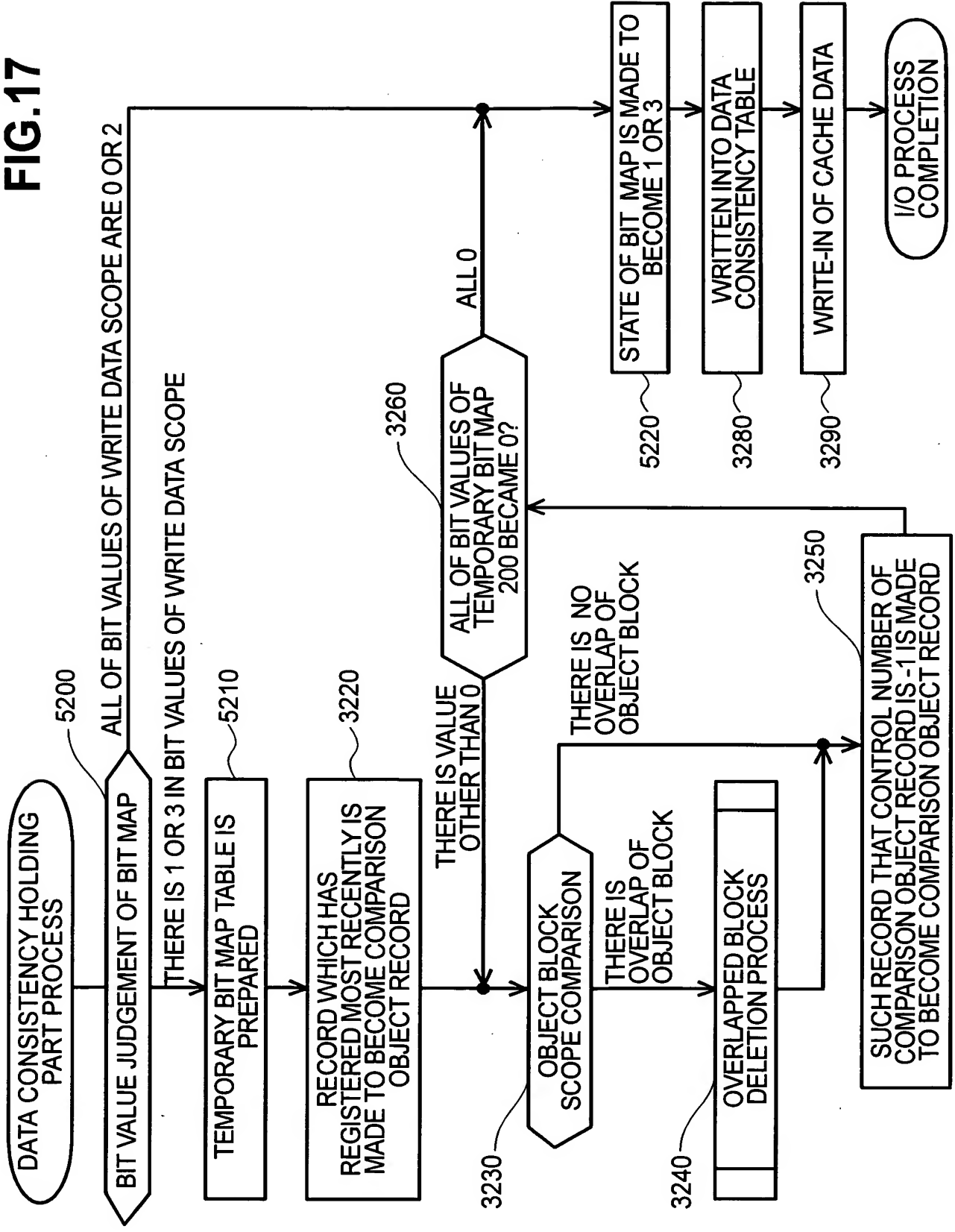
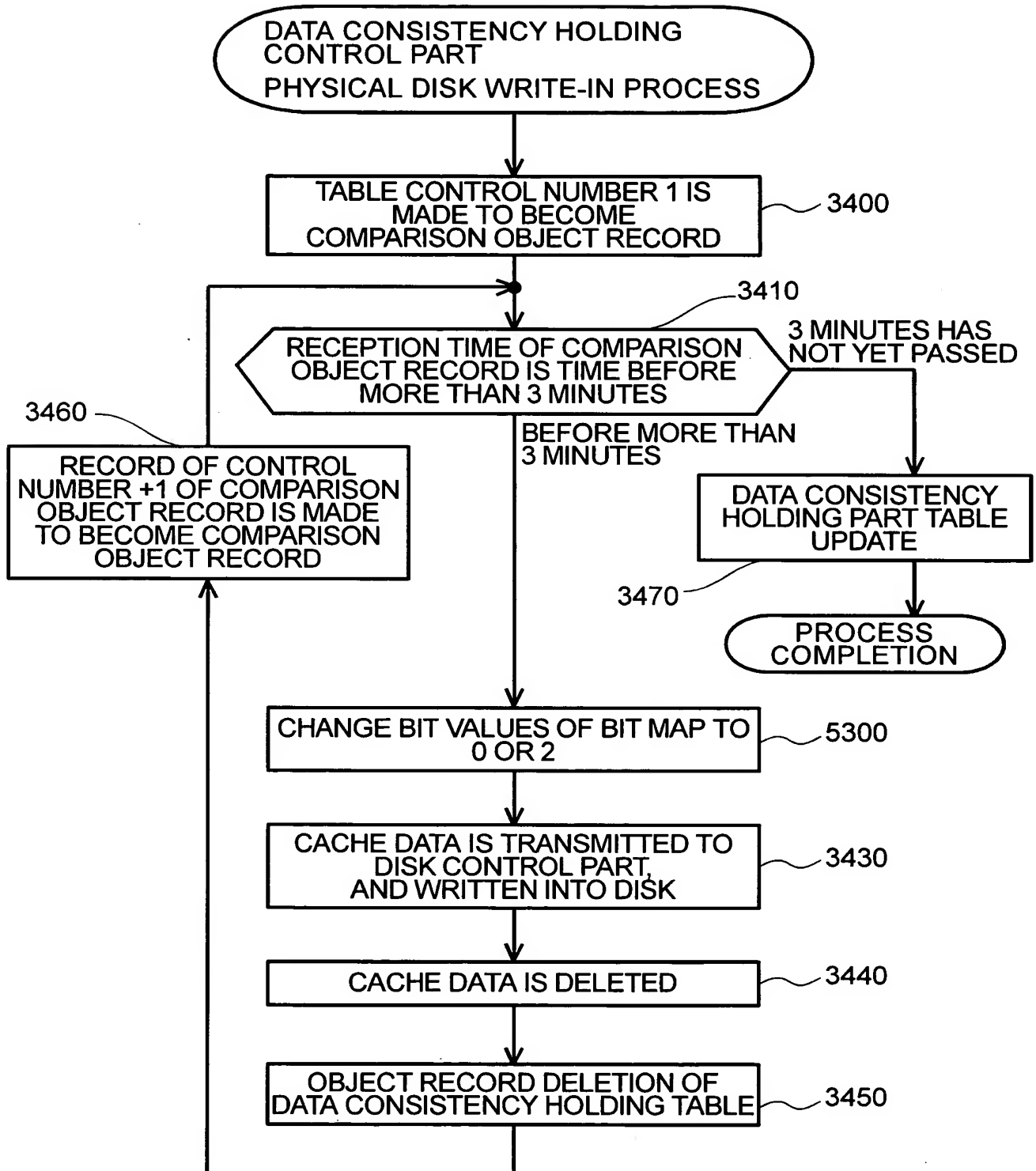


FIG.17



**FIG.18**



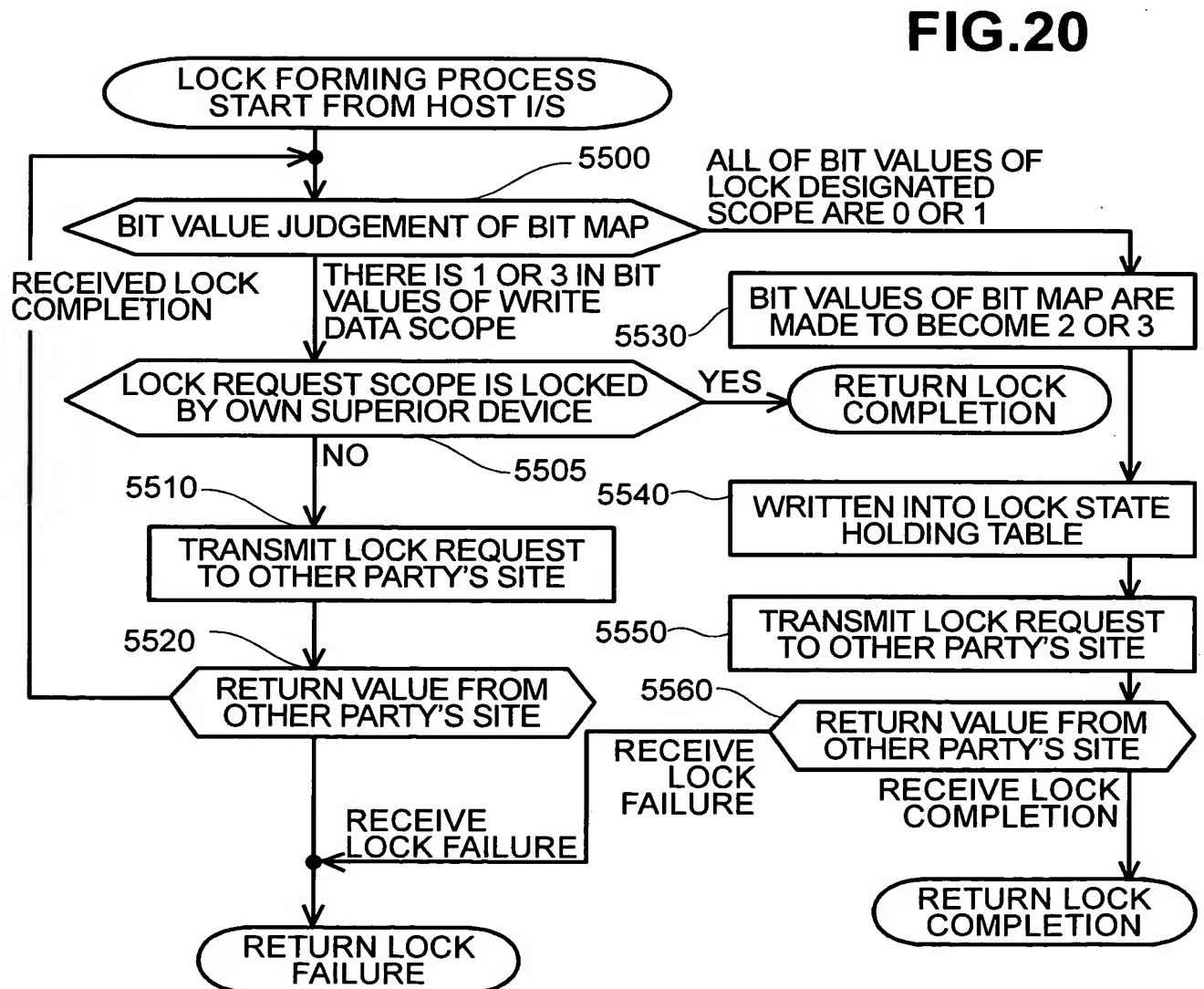
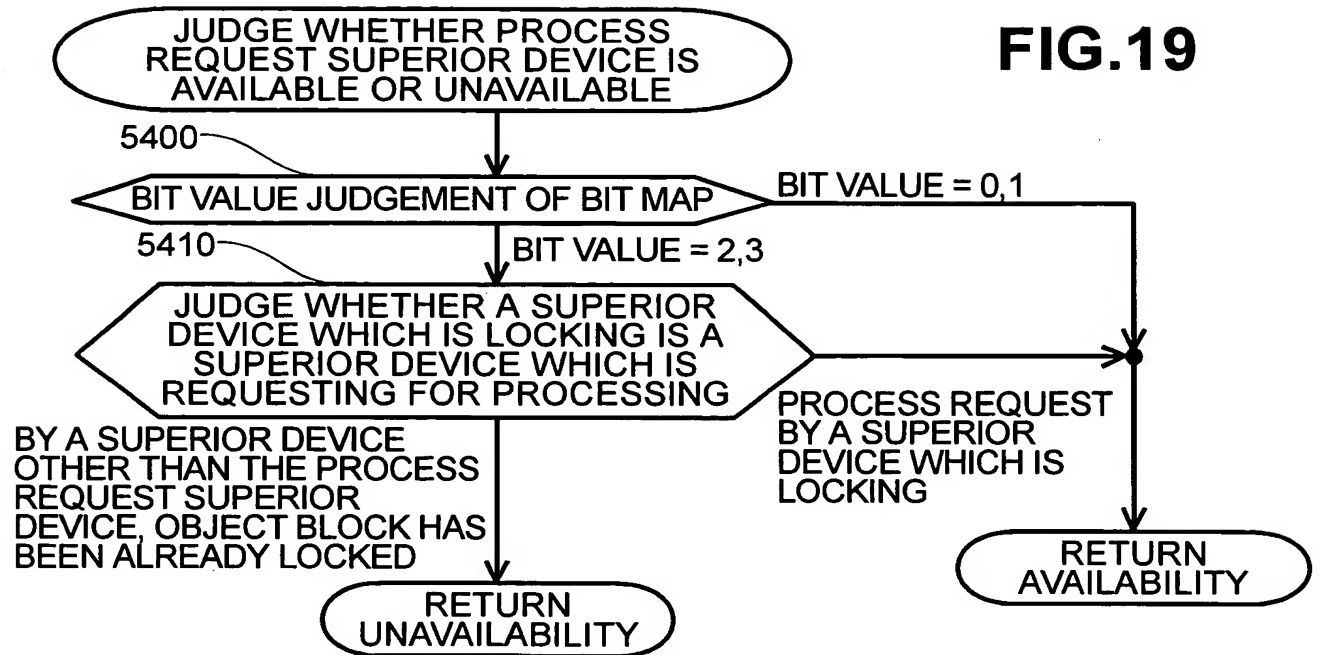
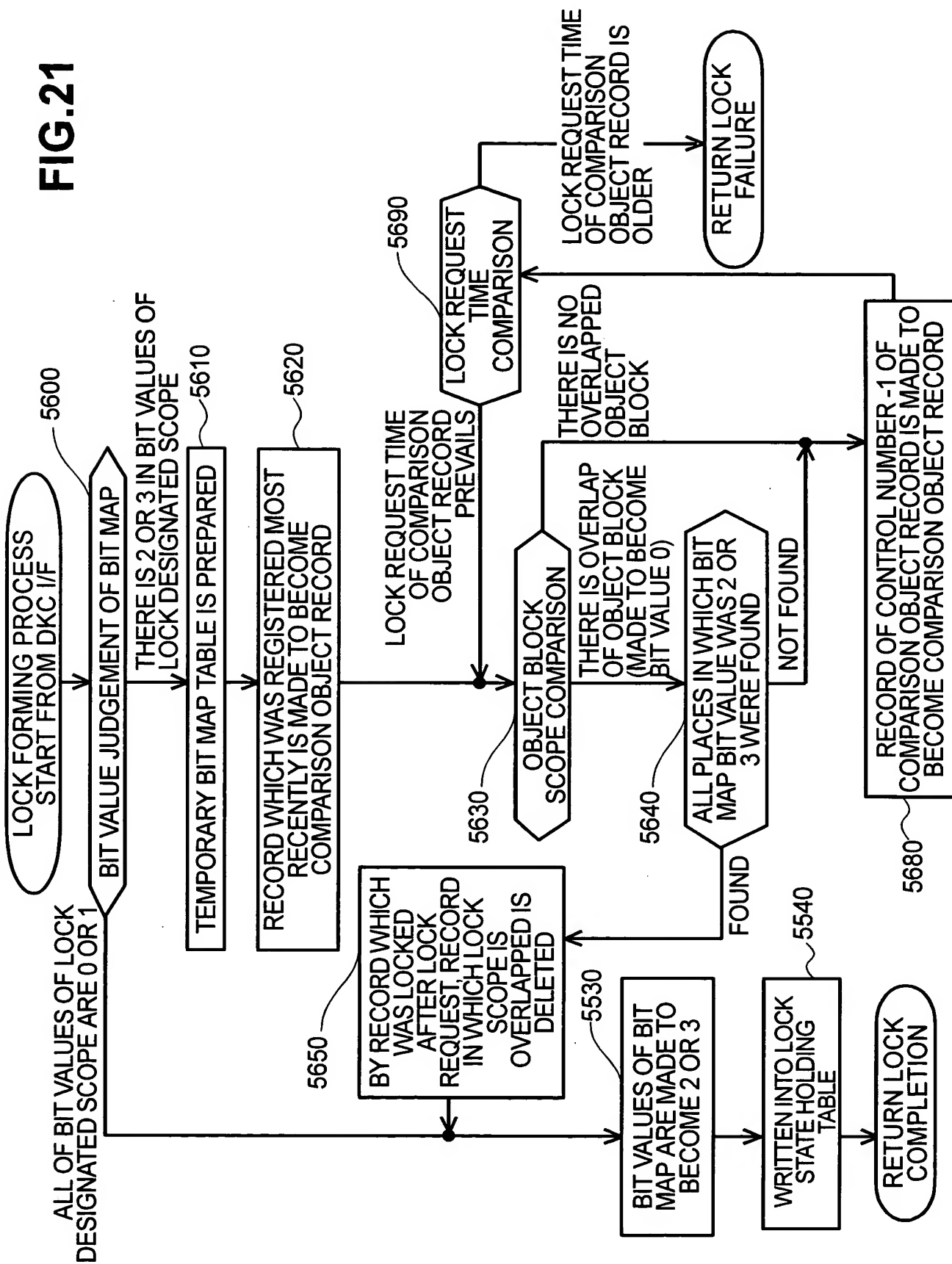




FIG. 21



**FIG.22**

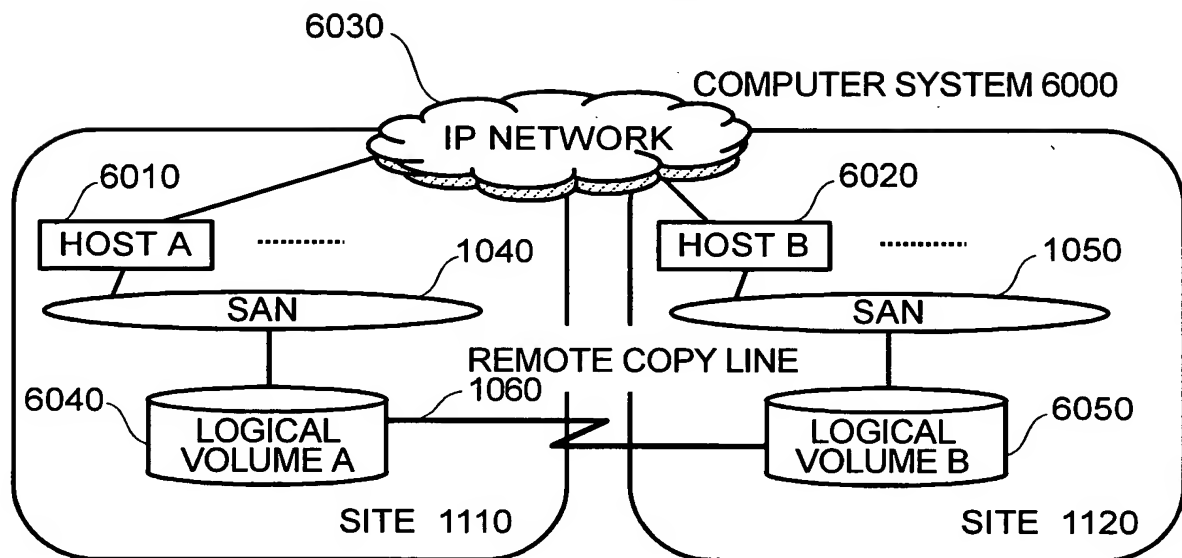
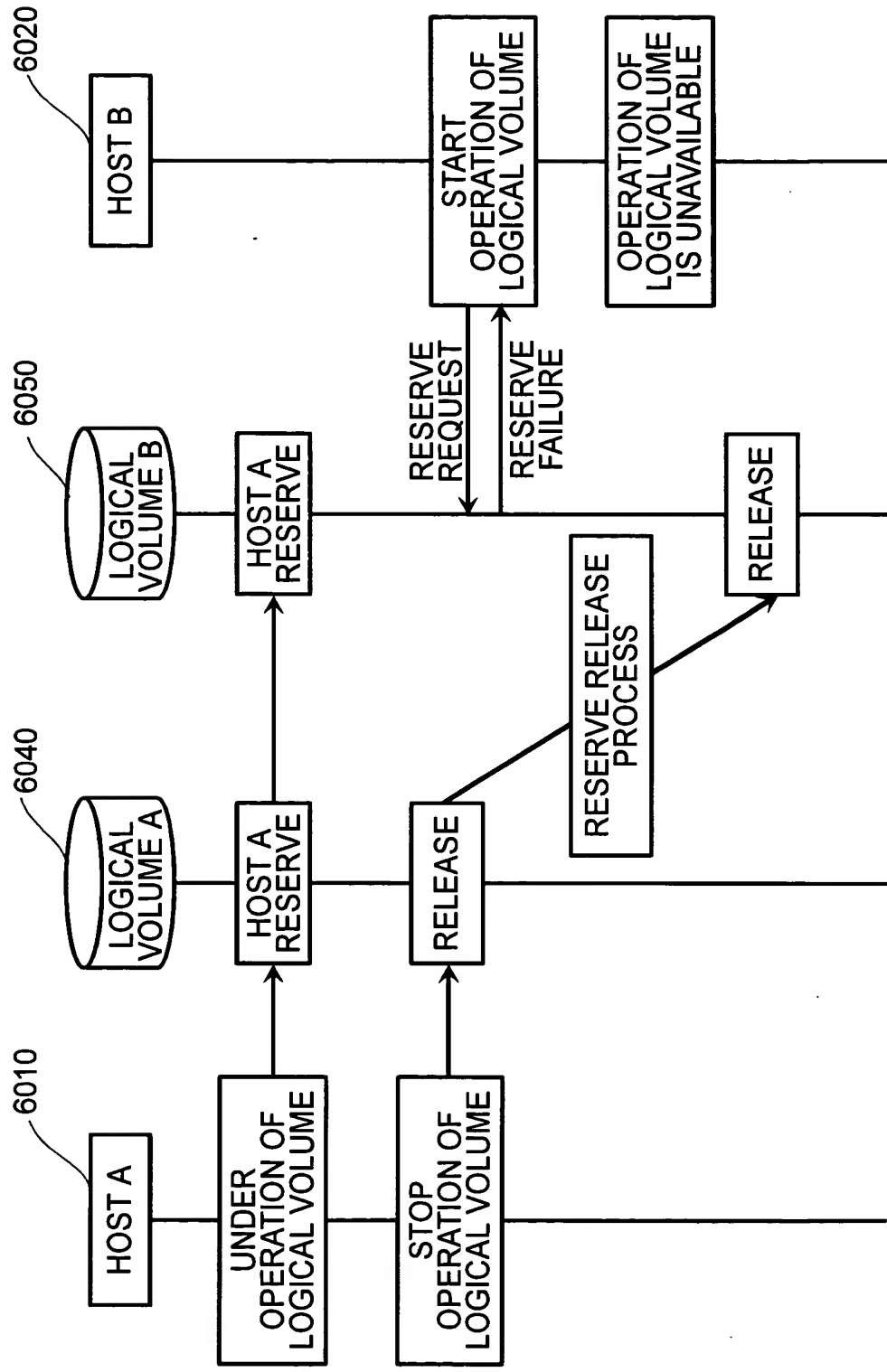
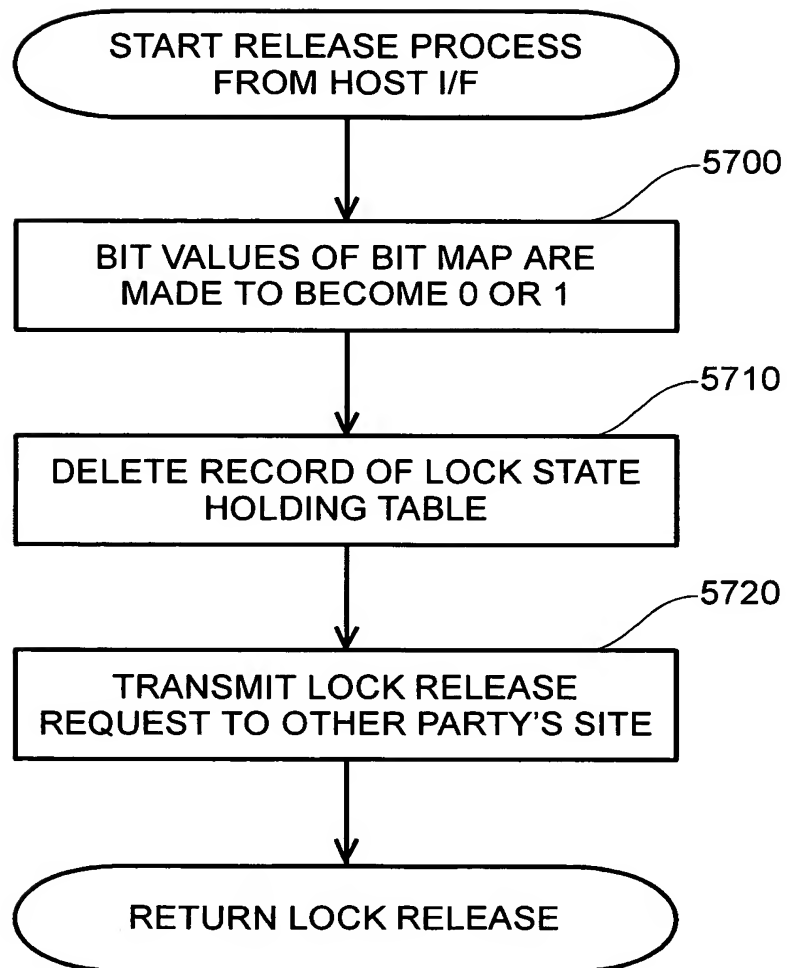


FIG.23



**FIG.24**



**FIG.25**

